

Ping Wang

List of Publications by Year in descending order

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64
papers

5,001
citations

81743

39
h-index

118652

62
g-index

64
all docs

64
docs citations

64
times ranked

8112
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible graphene-polyaniline composite paper for high-performance supercapacitor. <i>Energy and Environmental Science</i> , 2013, 6, 1185.	15.6	970
2	Effect of BiVO ₄ Crystalline Phases on the Photoinduced Carriers Behavior and Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2425-2430.	1.5	245
3	Facile solvothermal synthesis of cube-like Ag@AgCl: a highly efficient visible light photocatalyst. <i>Nanoscale</i> , 2011, 3, 2931.	2.8	191
4	One-pot, water-phase approach to high-quality graphene/TiO ₂ composite nanosheets. <i>Chemical Communications</i> , 2010, 46, 7148.	2.2	183
5	One-step, solvothermal synthesis of graphene-CdS and graphene-ZnS quantum dot nanocomposites and their interesting photovoltaic properties. <i>Nano Research</i> , 2010, 3, 794-799.	5.8	177
6	Synthesis of reduced graphene oxide-anatase TiO ₂ nanocomposite and its improved photo-induced charge transfer properties. <i>Nanoscale</i> , 2011, 3, 1640.	2.8	170
7	Microporous Metal-Organic Framework Constructed from Heptanuclear Zinc Carboxylate Secondary Building Units. <i>Chemistry - A European Journal</i> , 2006, 12, 3754-3758.	1.7	159
8	Progress in graphene-based photoactive nanocomposites as a promising class of photocatalyst. <i>Nanoscale</i> , 2012, 4, 5814.	2.8	143
9	Synthesis of Lead-Free Cs ₂ AgBiX ₆ (X = Cl, Br, I) Double Perovskite Nanoplatelets and Their Application in CO ₂ Photocatalytic Reduction. <i>Nano Letters</i> , 2021, 21, 1620-1627.	4.5	140
10	Ultraviolet-assisted gas sensing: A potential formaldehyde detection approach at room temperature based on zinc oxide nanorods. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 80-85.	4.0	136
11	Synthesis of highly efficient C-doped TiO ₂ photocatalyst and its photo-generated charge-transfer properties. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 175-180.	5.0	123
12	Synthesis and Studies of the Visible-Light Photocatalytic Properties of Near-Monodisperse Bi-Doped TiO ₂ Nanospheres. <i>Chemistry - A European Journal</i> , 2009, 15, 12521-12527.	1.7	112
13	Size- and Orientation-Dependent Photovoltaic Properties of ZnO Nanorods. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17136-17145.	1.5	109
14	Controlled synthesis of porous Ag/Au bimetallic hollow nanoshells with tunable plasmonic and catalytic properties. <i>Nano Research</i> , 2012, 5, 135-144.	5.8	108
15	Synthesis and Plasmon-Induced Charge-Transfer Properties of Monodisperse Gold-Doped Titania Microspheres. <i>Chemistry - A European Journal</i> , 2009, 15, 4366-4372.	1.7	100
16	A New Highly Selective H ₂ Sensor Based on TiO ₂ /PtO ₂ /Pt Dual-Layer Films. <i>Chemistry of Materials</i> , 2002, 14, 3953-3957.	3.2	96
17	Hydrothermal synthesis and photoelectric properties of BiVO ₄ with different morphologies: An efficient visible-light photocatalyst. <i>Applied Surface Science</i> , 2011, 257, 7758-7762.	3.1	87
18	The dependence of photocatalytic activity and photoinduced self-stability of photosensitive AgI nanoparticles. <i>Dalton Transactions</i> , 2012, 41, 10405.	1.6	87

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19	Dual-functional Au@Fe ₃ O ₄ dumbbell nanoparticles for sensitive and selective turn-on fluorescent detection of cyanide based on the inner filter effect. <i>Chemical Communications</i> , 2011, 47, 8268.	2.2	76
20	The important role of surface ligand on CdSe/CdS core/shell nanocrystals in affecting the efficiency of H ₂ photogeneration from water. <i>Nanoscale</i> , 2015, 7, 5767-5775.	2.8	75
21	Facile synthesis of two-dimensional graphene/SnO ₂ /Pt ternary hybrid nanomaterials and their catalytic properties. <i>Nanoscale</i> , 2011, 3, 4376.	2.8	73
22	Long-Range Plasmon Field and Plasmoelectric Effect on Catalysis Revealed by Shell-Thickness-Tunable Pinhole-Free Au@SiO ₂ Core-Shell Nanoparticles: A Case Study of <i>p</i> -Nitrophenol Reduction. <i>ACS Catalysis</i> , 2017, 7, 5391-5398.	5.5	73
23	Stereoselective C-C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22563-22569.	7.2	73
24	Light induced enhancing gas sensitivity of copper-doped zinc oxide at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 660-664.	4.0	70
25	Superparamagnetic Plasmonic Nanohybrids: Shape-Controlled Synthesis, TEM-Induced Structure Evolution, and Efficient Sunlight-Driven Inactivation of Bacteria. <i>ACS Nano</i> , 2011, 5, 8562-8570.	7.3	68
26	Boosting Electrocatalytic Oxygen Evolution Performance of Ultrathin Co/Ni-MOF Nanosheets via Plasmon-Induced Hot Carriers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37095-37102.	4.0	67
27	Graphene Oxide-Supported Ag Nanoplates as LSPR Tunable and Reproducible Substrates for SERS Applications with Optimized Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18038-18045.	4.0	65
28	Aqueous-phase synthesis of Ag-TiO ₂ -reduced graphene oxide and Pt-TiO ₂ -reduced graphene oxide hybrid nanostructures and their catalytic properties. <i>Nano Research</i> , 2011, 4, 1153-1162.	5.8	63
29	Bacteriorhodopsin/Ag Nanoparticle-Based Hybrid Nano-Bio Electrocatalyst for Efficient and Robust H ₂ Evolution from Water. <i>Journal of the American Chemical Society</i> , 2015, 137, 2840-2843.	6.6	59
30	Significantly Enhancing Supercapacitive Performance of Nitrogen-doped Graphene Nanosheet Electrodes by Phosphoric Acid Activation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1563-1568.	4.0	57
31	Enhanced photovoltaic performance of dye-sensitized solar cells using a new photoelectrode material: upconversion YbF ₃ -Ho/TiO ₂ nanoheterostructures. <i>Nanoscale</i> , 2016, 8, 4173-4180.	2.8	56
32	Size- and photoelectric characteristics-dependent formaldehyde sensitivity of ZnO irradiated with UV light. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 66-73.	4.0	55
33	Facile synthesis of a free-standing Ag@AgCl film for a high performance photocatalyst and photodetector. <i>Chemical Communications</i> , 2013, 49, 4953.	2.2	50
34	Shell Thickness Engineering Significantly Boosts the Photocatalytic H ₂ Evolution Efficiency of CdS/CdSe Core/Shell Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35712-35720.	4.0	48
35	Anomalous photoconductivity of cobalt-doped zinc oxide nanobelts in air. <i>Chemical Physics Letters</i> , 2008, 456, 231-235.	1.2	43
36	Two-Dimensional-Plasmon-Boosted Iron Single-Atom Electrochemiluminescence for the Ultrasensitive Detection of Dopamine, Hemin, and Mercury. <i>Analytical Chemistry</i> , 2021, 93, 9949-9957.	3.2	42

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37	Water-Assisted Synthesis of Anatase TiO ₂ Nanocrystals: Mechanism and Sensing Properties to Oxygen at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6648-6652.	1.5	41
38	Photovoltaic properties of a ZnO nanorod array affected by ethanol and liquid-crystalline porphyrin. <i>Nanotechnology</i> , 2008, 19, 245706.	1.3	41
39	Efficient visible light-driven H ₂ production in water by CdS/CdSe core/shell nanocrystals and an ordinary nickel-sulfur complex. <i>Nanoscale</i> , 2014, 6, 13470-13475.	2.8	41
40	Light-Driven, Membraneless, Hydrogen Peroxide Based Fuel Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1400424.	10.2	40
41	A facile solution-phase synthesis of high quality water-soluble anatase TiO ₂ nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 337-340.	5.0	39
42	Plasmon-Boosted Fe, Co Dual Single-Atom Catalysts for Ultrasensitive Luminol-Dissolved O ₂ Electrochemiluminescence Detection of Prostate-Specific Antigen. <i>Analytical Chemistry</i> , 2022, 94, 9758-9765.	3.2	35
43	High-Efficiency Plasmon-Enhanced and Graphene-Supported Semiconductor/Metal Core-Satellite Hetero-Nanocrystal Photocatalysts for Visible-Light Dye Photodegradation and H ₂ Production from Water. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19905-19913.	4.0	33
44	Plasmonics Yields Efficient Electron Transport via Assembly of Shell-Insulated Au Nanoparticles. <i>IScience</i> , 2018, 8, 213-221.	1.9	27
45	The facile surface chemical modification of a single glass nanopore and its use in the nonenzymatic detection of uric acid. <i>Chemical Communications</i> , 2015, 51, 1914-1917.	2.2	25
46	Plasmon-driven water splitting enhancement on plasmonic metal-insulator-semiconductor hetero-nanostructures: unraveling the crucial role of interfacial engineering. <i>Nanoscale</i> , 2018, 10, 14290-14297.	2.8	25
47	Plasmon-Boosted Cu-Doped TiO ₂ Oxygen Vacancy-Rich Luminol Electrochemiluminescence for Highly Sensitive Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2021, 93, 15183-15191.	3.2	25
48	Photoelectrical properties of CdS/CdSe core/shell QDs modified anatase TiO ₂ nanowires and their application for solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15724-15733.	1.3	24
49	High-Entropy Oxide for Highly Efficient Luminol-Dissolved Oxygen Electrochemiluminescence and Biosensing Applications. <i>Analytical Chemistry</i> , 2022, 94, 2958-2965.	3.2	22
50	Preparation of monodisperse Ag/Anatase TiO ₂ core-shell nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 109, 181-183.	2.0	18
51	Enzyme-like Fe-N ₅ single atom catalyst for simultaneous electrochemical detection of dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115956.	1.9	17
52	Stereoselective C-C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. <i>Angewandte Chemie</i> , 2020, 132, 22752-22758.	1.6	16
53	Oriented bacteriorhodopsin/polyaniline hybrid bio-nanofilms as photo-assisted electrodes for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8268-8272.	5.2	16
54	Magic-sized CdSe nanoclusters for efficient visible-light-driven hydrogen evolution. <i>Nano Research</i> , 2022, 15, 3106-3113.	5.8	16

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55	Pd/Ag nanosheet as a plasmonic sensing platform for sensitive assessment of hydrogen evolution reaction in colloid solutions. <i>Nano Research</i> , 2018, 11, 2093-2103.	5.8	13
56	Shape Transformation and Visible Region Plasmonic Modulation of Silver Nanoplates by Graphene Oxide. <i>Small</i> , 2012, 8, 3438-3442.	5.2	11
57	Facile synthesis of TiO ₂ (B) crystallites/nanopores structure: A highly efficient photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 417-420.	5.0	7
58	The enhancement of oxygen sensitivity of ZnO macropore film by functionalizing with azo pigment. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 875.	1.6	6
59	Combining the post synthesis ligand-assisted technique and SILAR method to assemble the quantum dots onto the oxide semiconductor photoelectrodes and its applications for solar cells. <i>Journal of Alloys and Compounds</i> , 2018, 765, 324-334.	2.8	6
60	Enhancing Photothermal Effect and Stability of Plasmonic Pd/Ag Nanosheet by Nanoassembly for Efficient Light-Driven Catalytic Organic Hydrogenation. <i>ChemistrySelect</i> , 2019, 4, 13173-13181.	0.7	4
61	Controlled Decoration of Divalent Nickel onto CdS/CdSe Core/Shell Quantum Dots to Boost Visible-Light-Induced Hydrogen Generation in Water. <i>ChemPlusChem</i> , 2018, 83, 1088-1096.	1.3	3
62	Effects of Illumination and Ferroelectric Field on Nanoscale Al:ZnO Films: Implications for Nonvolatile Multistage Storage and Photosensor Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 6054-6060.	2.4	1
63	Colloidal Semiconductor Quantum Dot-Based Multicomponent Artificial System for Hydrogen Photogeneration. , 2020, , 347-377.		0
64	Plasmonics Yields Surprisingly Efficient Electron Transport Via Assembly of Shell-Insulated Au Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0